

Crestone Solar School Presents:

Solar Heating and Residential Design

A Hands-on Workshop by Paul Shippee



Topics Include:

Solar Hot Water
Active Systems
Passive Systems

Radiant Floors
Thermal Storage
Greenhouses

Retrofits
New Design
Home Tours

Where: Crestone, a beautiful mountain town in Colorado

When: Thursday, June 22nd- Monday, June 26th

Cost: \$500 before May 1st, \$550 after May 1st

Accommodation: Cost includes camping, meals and tours
(10% discount to CRES and ASES members!!!)

Crestone Solar School
719-937-4070
www.crestonesolarschool.com

Founded by award-winning solar architectural designer and Civil Engineer, Paul Shippee, the Crestone Solar School begins a series of 4-day residential classes in June 2006. The classes are a mixture of hands-on learning and theoretical study. Held at Shippee's Zero Energy home, the school will also tour innovative local solar installations. Students will be exposed to alternative building by convening at a simple and elegant working model of sustainable home living.

The Crestone Solar School teaches a wide variety of sustainable philosophies and the fundamentals of solar technology. The curriculum focuses on passive and active solar heating for residences, solar hot water, radiant floors, greenhouse, solar thermal system design, straw bale construction, and earthen construction techniques.

Though Crestone is currently Paul's home, this is not the first house Shippee has built using the principles of Zero Energy. In 1978, Shippee was the recipient of a solar design award in the passive solar residential design competition and demonstration. The competition was sponsored by the U.S. Department of Housing and Urban Development, in cooperation with the U.S. Department of Energy and the Solar Energy Research Institute, now known as NREL.

Built in Longmont by Shippee's company, Colorado Sunworks, the SunEarth home was documented to be the best performing solar home in the country. The SunEarth home used so little fossil fuel energy that the heater's pilot light was soon turned off, resulting in extremely low energy consumption. By incorporating high levels of insulation (including earth sheltering), water walls, and passive solar design, heating bills were minimized while keeping temperatures at a steady level. The Crestone Solar School will teach students how to repeat these dramatic results in their own projects. Architects, engineers, owner builders, solar professionals, and interested others, will learn the fundamentals of solar energy thermal design and will gain experience in applying these to their projects.

The Crestone Solar School is located in Crestone, Colorado. Crestone is a small mountain community nestled on the western slope of the beautiful Sangre de Cristo Mountains. Overlooking the pristine San Luis Valley of Southern Colorado, Crestone is approximately four hours south of Denver.

The Crestone area is a hotbed of alternative building and off the grid design. In addition to Paul's home, students will have the opportunity to tour other houses in the area, as well as explore the diverse natural beauty of the Sangre de Cristos. Outdoor camping is available on Paul's land or students may select local bed and breakfast accommodations. The \$450 course fee includes all meals, and camping accommodations, in addition to a complete menu of solar design courses.

Students should arrive on the afternoon of Thursday, June 22nd. Dinner will be served. Courses begin Friday morning and end the afternoon of Monday, June 26th. Contact Jennifer Roberts at jennifer@crestonesolarschool.com for registration information. Payments will be accepted through Paypal, check or money order.